

For this new species and many other fine objects I am indebted to Mr. S. White, of Adelaide, South Australia, who procured them in the interior of that country.

7. Descriptions of New Species of Shells collected by Geoffrey Nevill, Esq., at Mauritius. By HENRY ADAMS, F.L.S.

(Plate XIX.)

VOLVARIA (VOLVARINA) PUSILLA, H. Ad. (Pl. XIX. fig. 1.)

V. testa fusiformi, pallida; spira elevata, apice obtusiuscula; anfr. 5, convexiusculis, ultimo antice attenuato, postice paulum ascendente; columella quadruplicata; apertura angusta; labro incrassato, intus dentato.

Long. 5, diam. $2\frac{1}{2}$ mill.

Hab. Port Louis Harbour, Mauritius.

This small species of the genus *Folvaria* has much the appearance of *V. neglecta*, Sow.; but the outer lip is strongly denticulated, while that of *V. neglecta* is smooth.

MACROCHLAMYS MINIMA, H. Ad. (Pl. XIX. fig. 2.)

M. testa subperforata, depressa, discoidea, tenui, vix striatula, pellucida, nitida; spira planiuscula, sutura profunda; anfr. 4, convexis, ultimo non descendente, basi convexo; apertura vix obliqua, lunari; perist. simplici, acuto, margine columellari superne reflexiusculo.

Diam. $1\frac{1}{3}$, alt. $\frac{1}{2}$ mill.

Hab. Near Port Louis, Mauritius.

Although this species is so minute, it appears to be adult, and is therefore deserving of record.

MACROCHLAMYS PERLUCIDA, H. Ad. (Pl. XIX. fig. 3.)

M. testa anguste umbilicata, depressa, tenui, levigata, pellucida, nitida; spira brevissime conoidea, sutura marginata; anfr. $5\frac{1}{2}$, convexiusculis, arcte convolutis, ultimo vix descendente, peripheria rotundato, basi medio impresso; apertura obliqua, lunari; perist. simplici, recto, margine columellari superne reflexiusculo.

Diam. 6, alt. 4 mill.

Hab. Peter Botte, Grand Bassin, Trou-aux-Cerfs, Mauritius.

"The animal of this species presents a very pretty appearance, the mantle being of a bright-yellow colour spotted with black, and the foot bright yellow, while the tentacles are entirely black."—G. Nevill.

STYLODONTA (EREPTA) RUFOCINCTA, H. Ad. (Pl. XIX. fig. 4.)

S. testa vix perforata, conoideo-lenticulari, solidula, superne confertim arcuato-striata, pallide rufa, fascia rufa supra carinam alteraque suturali ornata; spira parum elevata, apice obtusa,

sutura leviter impressa; anfr. 6, planiusculus, lente accrescentibus, ultimo antice breviter descendente, periphæria angulato, basi modice convexo, sublævigato, leviter concentricè striato, albido; apertura obliqua, rotundato-lunari; perist. simplici, marginibus callo crasso junctis, columellari declivi, incrassato, supra perforationem reflexo.

Diam. maj. 13, min. 12, alt. $7\frac{1}{2}$ mill.

Hab. On sandhills near the sea-shore, Coromandel, Mauritius.

STYLODONTA (EREPTA) NEVILLI, H. Ad. (Pl. XIX. fig. 5.)

S. testa subperforata, depresso-conica, oblique costulis undulatis granulosis remotiusculis munita, pallide fulva; spira breviter conoidea, apice obtusa, sutura impressa; anfr. 8, convexis, lente accrescentibus, ultimo non descendente, ad periphæriam subangulato, subtus convexo; apertura obliqua, lunato-rotundato; perist. acuto, intus labiato, marginibus callo tenui junctis, columellari incrassato, reflexiusculo.

Diam. maj. 12, min. 10, alt. 7 mill.

Hab. The Pouce Mountain, Mauritius.

This species has characters in common with both *S. suffulta*, Bens., and *S. setiliris*, Bens., but is larger and less globose than the former, and is without the prominent columellar tooth of the latter; while from the latter it also differs in being larger, less umbilicated, and in the absence of the undulate lines of hairs. I have much pleasure in naming it after Mr. Geoffrey Nevill, a very enterprising young naturalist, to whom I am indebted for the opportunity of describing this and the other species included in this paper.

PUPA (PAGODELLA) VENTRICOSA, H. Ad. (Pl. XIX. fig. 6.)

P. testa profunde rimata, ovata, tenuiuscula, oblique striatula, pallide fusca; spira convexo-conica, sutura impressa; anfr. 5, convexiusculis, ultimo ventricosus, basi rotundato; apertura semiovali, plica parietali compressa, intrante, et dente prope insertionem marginis dextri munita; perist. simplici, vix expansiusculo, marginibus callo junctis, dextro subsinuato, columellari superne dilatato.

Long. $2\frac{1}{2}$, diam. $1\frac{3}{4}$ mill.

Hab. The Moka Ravines, Mauritius.

This singular little species I cannot satisfactorily refer to any of the present subgenera of the genus *Pupa*, and I therefore propose a new subgenus for it under the name of *Pagodella*, which may be characterized as follows:—

Subgenus PAGODELLA, H. Ad.

Testa rimata, ovata, opaca; anfr. convexi; apertura semiovalis, plicis parietalibus 2; perist. tenue, rectum, vix expansiusculum, marginibus callo junctis.

GIBBUS (GIBBULINA) NEVILLI, H. Ad. (Pl. XIX. fig. 7.)

G. testa rimata, cylindræa, solidiuscula, oblique sinuato-costata,

albida; spira cylindrica, apice obtusa, sutura mediocri; anfr. 9, planiusculis, ultimo non ascendente, basi unguato; apertura parum obliqua, rhombico-ovali, dente parietali compresso, intrante, et plica columellari obsoleta munita; perist. breviter expanso, margine dextro intus labiato, columellari patente.

Long. 24, diam. 6 mill.; ap. $6\frac{1}{2}$ mill. longa, 4 lata.

Hab. The Pouce Mountain, Mauritius.

"The foot of the animal in this species is orange; the mantle is also orange, slightly mottled with black anteriorly, more densely so posteriorly; and the tentacles are black."—*G. Nevill.*

I have named this species in honour of Mr. William Nevill, the father of Mr. Geoffrey Nevill, a gentleman well known as a mineralogist.

GIBBUS (GONIDOMUS) NEWTONI, II. Ad. (Pl. XIX. fig. 8.)

G. testa profunde arcuato-rimata, elongato-ovata, oblique costata, pallido-lutea; spira convexo-conica, sutura impressa; anfr. 8, convexiusculis, ultimo antice ascendente, basi compresso; apertura verticali, truncato-oblonga; perist. breviter expanso, marginibus callo junctis, dextro intus incrassato, columellari patente.

Long. 24, diam. 11 mill.; ap. 7 mill. longa, 6 lata.

Hab. Trou-aux-Cerfs, Mauritius.

"This species was first found by Mr. Caldwell at Trou-au-Cerf, and I have since found it alive at the same place. The animal has the foot of a greyish flesh-colour, the mantle light brownish grey closely veined with longitudinal dark brown lines, and the tentacles of a dull purple."—*G. Nevill.*

ENNEA (GULELLA) MODESTA, H. Ad. (Pl. XIX. fig. 9.)

E. testa profunde perforata, ovato-oblonga, tenuiuscula, conferte et minute costulata, nitida, pellucida, corneo-hyalina; spira ventrosa, sursum tumida, apice convexo-conica, sutura impressa; anfr. 11, convexis, ultimo ascendente, basi rotundato; apertura verticali, ovali, plica compressa oblique descendente prope insertionem marginis dextri munita; perist. expanso, subsoluto, margine dextro sinuato, intus tuberculifero.

Long. 5, diam. supra medium $2\frac{1}{2}$ mill.; ap. $1\frac{1}{2}$ mill. longa, 1 mill. lata.

Hab. Mauritius.

This species has hitherto been confounded with *E. clavulata*, Lam., but appears to be distinct. Among many specimens that came under the notice of Mr. G. Nevill there was not one of an intermediate form.

CYCLOSTOMUS (TROPIDOPHORA) MAURITIANUS, H. Ad. (Pl. XIX. fig. 10.)

C. testa anguste umbilicata, ovato-conica, tenuiuscula, pallide fulva, strigis fulvis ornata; spira conica, apice acutiuscula; anfr. 5, convexis, bicarinatis, inter carinas undique costis irre-

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gularibus subdistantibus munitis; apertura vix obliqua, subcirculari; perist. simplici, marginibus approximatis, callo tenui junctis, margine dextro recto, columellari mediocriter expanso.
Diam. maj. 14, min. 12, alt. 17 mill.

Hab. The Pouce Mountain, Mauritius.

CYCLOSTOMUS SCABER, H. Ad. (Pl. XIX. fig. 11.)

C. testa profunde umbilicata, globoso-turbinata, tenuiuscula, spiraliter costulis subdistantibus et longitudinaliter striis elevatis decussata, basi costulis spiralibus propioribus, in umbilico remotioribus, pallide carnea, fascia rufa angusta infra peripheriam ornata; spira turbinata, apice obtusiuscula; anfr. 5, convexis, ultimo rotundato; apertura verticali, circulari; perist. simplici, recto, continuo, superne subangulato, breviter adnato.

Diam. maj. 12, min. 10, alt. 11 mill.

Hab. The Pouce Mountain, Mauritius.

OMPHALOTROPIS COSTELLATA, H. Ad. (Pl. XIX. fig. 12.)

O. testa umbilicata, ovato-conica, tenuiuscula, spiraliter costulis filiformibus subdistantibus, circa umbilicum remotioribus, superne fere obsoletis munita, pallide carnea, versus apicem rubida, strigis fulguratis rufis picta; spira conica, apice acutiuscula, sutura profunda; anfr. 7, convexiusculis, ultimo rotundato, in umbilico liris æqualibus munito; apertura subverticali, ovali; perist. recto, acuto, marginibus callo tenui junctis, columellari subincrassato, expansiusculo.

Long. 10, diam. 7 mill.; ap. 6 mill. longa.

Hab. The Pouce Mountain, Mauritius.

OMPHALOTROPIS PICTURATA, H. Ad. (Pl. XIX. fig. 13.)

O. testa perforata, ovato-conica, oblique confertim striatula, corneo-rufa, maculis et strigis albis notata; spira conica, apice acuminata, sutura submarginata et crenulata; anfr. 6, convexiusculis, ultimo rotundato; apertura subverticali, oblongo-ovata; perist. simplici, margine dextro recto, columellari vix expansiusculo.

Long. 6, diam. 3 mill.; ap. 2 mill. longa.

Hab. The Pouce Mountain, Mauritius.

"The animal in this species has the tentacles yellow, tipped with dark brown; the foot almost white; the mantle a kind of grey (varying), with its sides dark brown, and the same colour between the tentacles."—*G. Nevill.*

CASSIDULA PARVA, H. Ad. (Pl. XIX. fig. 14.)

C. testa subperforata, ovato-conica, solidula, spiraliter confertim costulata (prope suturam costulis majoribus), longitudinaliter minute striata, sordide alba; spira conica, apice mucronata; anfr. 6, convexiusculis, ultimo basi attenuato, antice crista obtusa munito; apertura subobliqua, ovali; plica parietali 1, compressa, subtransversa, nodulo supero obsoleto; plica colu-

mellari paulo minore, illi parallela; perist. simplici, margine dextro vix expansiusculo, intus medio unidentato, columellari calloso, dilatato.

Long. 4, diam. $2\frac{1}{2}$ mill.; ap. 2 mill. longa.

Hab. Port Louis Harbour, Mauritius.

PLECOTREMA EXIGUA, H. Ad. (Pl. XIX. fig. 15.)

P. testa profunde rimata, ovato-conica, solida, spiraliter valde sulcata, longitudinaliter striata, pallide fulva; spira conoidea, apice mucronata; anfr. 8, planiusculis, infra suturam sulco profundo et lato exaratis, ultimo basi attenuato, pone aperturam valde cristato; apertura subobliqua, angusta; plicis parietalibus 2, superiore tuberculiformi, altera bipartita; plica columellari compressa, subhorizontali; perist. simplici, marginibus callo crasso junctis, dextro intus incrassato, tridentato, dente superiore minuto, columellari dilatato, patente.

Long. 6, diam. $3\frac{1}{2}$ mill.; ap. 2 mill. longa.

Hab. Trou d'Eaux Douces, Mauritius.

8. Descriptions of New Species of Shells.

By HENRY ADAMS, F.L.S.

(Plate XIX.)

NANINA (? ROTULA) CONULUS, H. Ad. (Pl. XIX. figs. 16, 16a.)

N. testa imperforata, trochiformi, tenui, oblique striata, superne liris spiralibus obsoletissimis signata, rubello-cornea, ad carinam et ad suturas pallidior; spira conoidea, apice obtusiuscula, sutura distincta; anfr. 6, convexiusculis, ultimo non descendente, carinato, basi convexo; apertura subobliqua, tetragono-lunari; perist. recto, acuto, marginibus convergentibus, columellari verticali, superne breviter reflexo.

Diam. maj. 11, min. 10, alt. 12 mill.

Hab. Newera Ellia, Ceylon (Coll. F. Layard).

This species, which is closely allied to *N. concavospira*, Pfr., was obtained by Mr. Frederick Layard from Newera Ellia, Ceylon, at an elevation of 6500 feet above the level of the sea. I have referred it with doubt to the subgenus *Rotula*, the animal of the typical species, *N. detecta*, not being known. In the figure given of the animal, in this case, the truncature of the foot is distinctly shown; while the animals of certain Indian species, considered by Mr. W. T. Blanford to belong to the same subgenus, are without such truncature, the mucus-pore being above the flattened posterior extremity.

BULIMULUS (ENA) PUSILLUS, H. Ad. (Pl. XIX. fig. 17.)

B. testa sinistrorsa, rimato-perforata, cylindrico-turrita, tenui, inæqualiter striata, vix nitidula, olivaceo-fusca; spira elongata, sursum parum attenuata, apice obtusiuscula, sutura distincta;